

Specification

Power supply 12-48V DC

Output DMX512, 4 channels (Red, Green, Blue, White)
(Channels 1-4 are repeated up to channel 64 to allow simultaneous control of more fixtures)

RJ45 connector wiring:

1-Data+

2-Data-

3-Ground

4-12-48V Supply

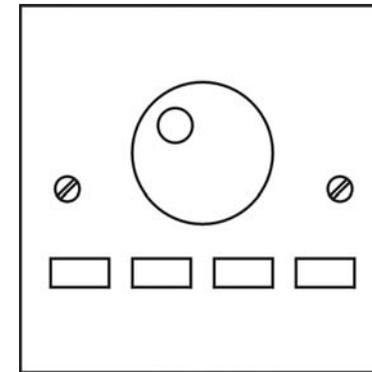
5-12-48V Supply

6-12-48V Supply

7-Ground

8-Ground

(12-48V Supply and ground may be connected to any or all of the 3 pins)



AbstractAVR

Ledion Wallpanel controller

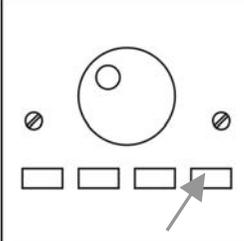
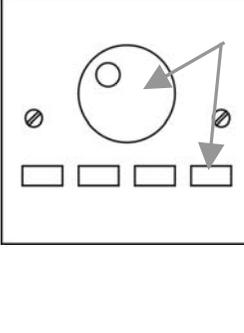
Introduction

The Ledion wallpanel controller is designed to control the AVR Ledion colour changing DMX lighting system.

It allows simple control of on/off, dimming, and colour selection. A basic colourfade mode is also included.

The operation of the wallpanel controller is designed to mimic a normal wall dimmer switch to allow easy operation of LED lighting by the casual user.

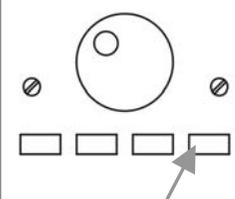
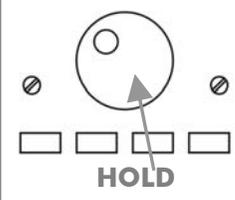
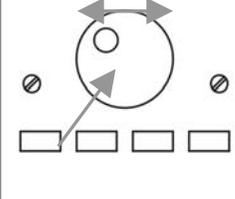
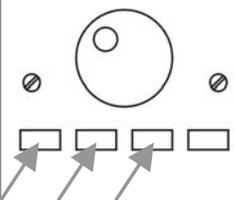
The wallpanel may be locked into a simple mode which permits only dimming and on/off switching. The programmed mode and/or colour selected cannot be changed by the user in this mode.

<p>Set pastel colourfade Press the white button to set pastel colours. The white button will light up.</p>	
<p>Lock controller Hold down the knob then press the White button. All lights will flash brightly once. In Locked mode the user can only switch on/off (press knob) and dim (turn knob). All other functions are locked. Repeat Lock procedure to unlock.</p>	

Memory

The wallpanel will remember the lighting settings and will return to the same settings after a loss of power. The lock/unlock state is also remembered.

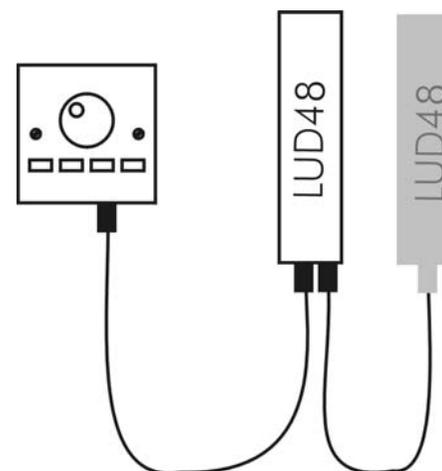
The colour and dimmer settings are stored every 20 seconds. After changing the settings, you need to wait at least 20 seconds before powering off the wallpanel, otherwise the settings will not be stored.

<p>Sound to light + white Press the White button to enable colours including White (the white button will light up)</p>		
<p>Colourfade mode Hold down the knob for about 3 seconds. The lighting will fade through all colours. Hold knob again to go back to normal.</p>		
<p>Set colourfade speed Turn the knob to set the speed. Press the knob to return to dimmer control. Press again to give speed control.</p>		
<p>Set colourfade colours Press the Red Green or Blue buttons to omit the colour from the fade.</p>		

Installation of the wallpanel

The wallpanel controller is used with one or more LUD48 or LMD04/08/16 LED power supplies.

The wallpanel is connected to the LED driver using a standard RJ45 (computer network) type cable for LUD48, or a special 8 pin to 4 pin cable for LMD drivers. If more than one LED driver is used, the others are daisy-chained from the first. This is done using RJ45 cables on the LUD48 or 3-pin XLR cables for the LMD drivers.

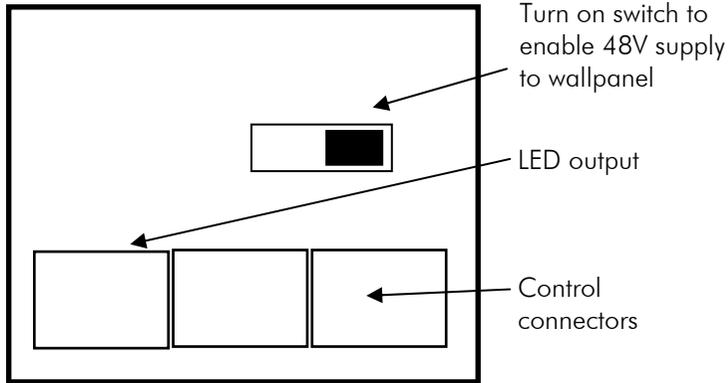


The wallpanel is powered by the LED driver. If using an LUD48, the power output from the LUD48 must be enabled by switching on the 48V power switch above the DMX connectors.

If you are using more than one LUD48 unit, the 48V switch must be turned ON on one unit only.

Other LED driver units may also be connected, if they have a 4 channel RGBW mode. The first unit must be an LUD48 or LMD unit to provide power to the wallpanel.

LUD48 end panel



Above: location of 48V switch on end panel of LUD48 unit.

Operation

<p>Switching on and off Press the knob. The lighting will switch on and off at its current colour and brightness setting.</p>	<p>The diagram shows the control panel with a central knob. An arrow points to the knob, indicating it should be pressed. Below the knob are four rectangular buttons.</p>
<p>Dimming Turn the knob. The lighting will get brighter or dimmer.</p>	<p>The diagram shows the control panel with a central knob. Two horizontal arrows above the knob indicate it can be turned clockwise or counter-clockwise. Below the knob are four rectangular buttons.</p>
<p>Changing colour Press one or more of the red, green, blue and white buttons. The buttons will light up. Turn the knob to control the brightness of the colours you selected. After a time the buttons will go out and the knob will become a dimmer control again.</p>	<p>The diagram shows the control panel with a central knob and four buttons below it. Arrows point to each of the four buttons, indicating they should be pressed. Above the knob are two horizontal arrows indicating it can be turned.</p>
<p>Sound to light mode Double-press the knob. The lighting will flash in time to sound. The button LEDs will also flash. Double-press the knob again to go back to normal.</p>	<p>The diagram shows the control panel with a central knob. An arrow points to the knob, and the text 'x2' is written below the arrow, indicating a double-press. Below the knob are four rectangular buttons.</p>